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*Control of Fusion and Normal Fusion Subsystems.*

Let  $P$  be a  $p$ -group. A fusion system on  $P$  is a generalization of the local structure on  $P$  viewed as a Sylow  $p$ -subgroup of a finite group  $G$ . In this latter setting Gilotti and Serena give necessary and sufficient conditions on a subgroup  $Q$  of  $P$  so that its normalizer in  $G$  have the same local structure as  $G$ . The result generalizes to fusion systems and brings us to some considerations on normal fusion subsystems. (Received September 25, 2006)